

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference INFRA PCT-01	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IL2005/000317	International filing date (day/month/year) 20/03/2005	(Earliest) Priority Date (day/month/year) 06/01/2005
Applicant INFRA-COM LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the International search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2005/000317

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A Communication Diode Driver Circuit (CDDC,10)) for selectively illuminating communication diodes (CDs,16)) in response to incoming digital data pulses (12) with a LED drive current $I_{LED}(t)$ close to a nominal LED drive current I_N therefor in a steady state operation of the CDDC. The CDDC includes a driver unit for driving the LED drive current $I_{LED}(t)$, and a closed loop feedback unit for continuously monitoring the LED drive current $I_{LED}(t)$ for providing a variable shift voltage $SV(t)$. The driver unit includes a shift amplifier (22) for algebraically superimposing a pulsed analog data voltage $ADV(t)$ corresponding to incoming digital data pulses, and the shift voltage $SV(t)$.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B33/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 008, no. 231 (E-274), 24 October 1984 (1984-10-24) & JP 59 112670 A (HITACHI SEISAKUSHO KK), 29 June 1984 (1984-06-29) abstract	1-8
A	US 6 400 101 B1 (BIEBL ALOIS ET AL) 4 June 2002 (2002-06-04) column 2, line 24 - column 3, line 21; figure 4a	1-8
A	US 2001/033503 A1 (HAMP CHARLES HENRY ET AL) 25 October 2001 (2001-10-25) page 1, paragraph 7 - page 2, paragraph 9; figure 1	1-8



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

10 August 2005

Date of mailing of the international search report

18/08/2005

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 59112670	A	29-06-1984	NONE
US 6400101	B1	04-06-2002	DE 19930174 A1 04-01-2001 CA 2341657 A1 11-01-2001 WO 0103474 A1 11-01-2001 EP 1118251 A1 25-07-2001 JP 2003504797 T 04-02-2003
US 2001033503	A1	25-10-2001	NONE